

VERSIFY™ 2300

Elastomer

The Dow Chemical Company

Message:

VERSIFY™ 2300 Elastomer generates the optimum performance balance for blown stretch hoods - the wrapping that ensures the integrity of goods pallets being stored and transported.

It provides excellent elasticity and good holding force at equal or better cost than competitor solutions. The film improves pallet stability, delivers better tear resistance and makes recycling and disposal much simpler.

The grade is also ideally suited to a range of calendering and extruded applications and as a blend component for thermoplastic elastomers.

Complies with:

U.S. FDA FCN 909

U.S. FDA 21 CFR 175.105(c)(5)

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 175.105(c) (5)		
	FDA FCN 909		
Forms	Pellets		
Processing Method	Blown Film		
	Film Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.867	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Total Crystallinity	13	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ¹			ASTM D2240
Shore A, Compression Molded	88		
Shore D, Compression Molded	32		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	18.9	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	730	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	42.2	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-27.0	°C	Internal Method
Vicat Softening Temperature	43.0	°C	ASTM D1525

Melting Temperature (DSC)	66.0	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Gardner Gloss			ASTM D523
20°, 1000 μm, Compression Molded	70		
60°, 1000 μm, Compression Molded	109		
Haze (2000 μm, Injection Molded)	6.0	%	ASTM D1003
NOTE			
1.	Hardness after 10 seconds.		
2.	50 mm/min		

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